Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/10/2021 09:02 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/05/2021 10:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123620	-2	2.58	123604	2.53
Blue	F	SSC	125000	124656	-1	4.51	125006	4.41
Blue	E	FITC	14400	13949	-4	3.07	321	15.09
Blue	D	PE	24713	24361	-2	2.63	558	10.56
Blue	B	PerCP-Cy5-5	31796	31004	-3	3.77	1027	14.35
Blue	A	PE-Cy7	21240	21107	-1	5.82	568	28.17
Red	C	APC	41319	40695	-2	3.33	1705	11.32
Red	A	APC-Cy7	21019	20589	-3	3.66	773	11.23
Violet	B	V450	7305	6979	-5	4.15	435	12.18
Violet	A	V500	28652	27699	-4	3.75	695	10.03

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22804	2.64	562	-7	N/A	N/A	Pass
Blue	F	SSC	58160	2.84	516	4	N/A	N/A	Pass
Blue	E	FITC	58	54.24	489	-2	0.0473	110	Pass
Blue	D	PE	116	36.16	487	0	0.4682	327	Pass
Blue	B	PerCP-Cy5-5	190	34.30	582	-2	0.0207	27	Pass
Blue	A	PE-Cy7	115	64.06	629	-1	0.0234	0	Pass
Red	C	APC	394	22.91	574	1	0.0283	100	Pass
Red	A	APC-Cy7	172	26.77	544	-1	0.0072	1289	Pass
Violet	B	V450	61	59.30	456	0	0.0638	2139	Pass
Violet	A	V500	99	33.63	470	0	0.0253	686	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.78	-31.56	1.02
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.42
Red	20.67	15.99 - 23.99	N/A	N/A	30.09	30.20	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 10578

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments